AMENDMENT UNDER 37 C.F.R. 1.116
EXPEDITED PROCEDURE
EXAMINING GROUP 2129
PATENT
Application 10/626,443
Attorney Docket 2002P12271US01 (1009-285)

AMENDMENTS

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AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A computer-based translation method that translates source information into target information using knowledge that arises from relationships between elements of the source information, comprising a plurality of activities comprising:

    obtaining configuration information from one or more sources a computer-based control system, the configuration information from a validated biopharmaceutical batch process control system;

    applying a first plurality of pattern matching rules to the information to obtain a first transformed version of the information, the first plurality of pattern matching rules based on expert knowledge about a first plurality of patterns in the information;

    transforming the information using user input to obtain a second transformed version of the information, the user input obtained via a graphical user interface generated based on a second plurality of pattern matching rules, the second plurality of pattern matching rules based on expert knowledge about a second plurality of patterns in the information; and

    expressing the first transformed version and the second transformed version in a destination biopharmaceutical batch process control system, the destination biopharmaceutical batch process control system configured by the second transformed version to control a biopharmaceutical batch process.

2. (Original) The computer-based translation method of claim 1, further comprising converting the information into a common format.

3. (Original) The computer-based translation method of claim 1, further comprising converting the information into a user-definable syntax.

4. (Original) The computer-based translation method of claim 1, further comprising converting the information into XML.

5. (Previously Presented) The computer-based translation method of claim 1, further comprising importing the first transformed version into the destination system, the first transformed version obtained from a Bailey INFI-90 configuration database.

6. (Previously Presented) The computer-based translation method of claim 1, further comprising importing the second transformed version into the destination system, the second transformed version comprising configuration elements associated with a WinCC operator console.

7. (Previously Presented) The translation method of claim 1, further comprising parsing the information, the information obtained from an APACS control system configuration database.

8. (Original) The translation method of claim 1, further comprising expressing the information in an XML syntax.

9. (Original) The translation method of claim 1, further comprising applying XSLT transforms to the information.

10. (Original) The translation method of claim 1, further comprising applying XSLT transforms to the information and generating DHTML.

11. (Previously Presented) The translation method of claim 1, further comprising generating DHTML encoding a plurality of options adapted for use in translation of an element of the information.

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12. (Previously Presented) The translation method of claim 1, further comprising generating a plurality of options adapted for use in translation of an element of the information.

13. (Previously Presented) The translation method of claim 1, further comprising interpreting a plurality of options adapted for use in translation of an element of the information using DHTML logic.

14. (Previously Presented) The translation method of claim 1, further comprising creating graphical user interface elements adapted to present a plurality of options for translating an element of the information.

15. (Previously Presented) The translation method of claim 1, further comprising presenting a plurality of options adapted for use in translation of an element of the information.

16. (Previously Presented) The translation method of claim 1, further comprising presenting to each of a plurality of users, a plurality of options adapted for use in translation of an element of the information.

17. (Previously Presented) The translation method of claim 1, further comprising presenting to each of a plurality of users, a plurality of options adapted for use in translation of an element of the information, the plurality of options and the information element differing for each of the plurality of users.

18. (Previously Presented) The translation method of claim 1, further comprising presenting in the graphical user interface a plurality of options adapted for use in translation of an element of the information.

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19. (Previously Presented) The translation method of claim 1, further comprising receiving a user-selected option from a plurality of options adapted for use in translation of an element of the information.

20. (Original) The translation method of claim 1, further comprising receiving input relating to an element of the information from a user.

21. (Previously Presented) The translation method of claim 1, further comprising receiving input from each of a plurality of users regarding each user's preference adapted for use in translation of an element of the information.

22. (Previously Presented) The translation method of claim 1, further comprising receiving input from each of a plurality of users regarding each user's preference adapted for use in translation of an element of the information, a first user's preference overriding a second user's preference.

23. (Previously Presented) The translation method of claim 1, further comprising tracking received user input adapted for use in translation of an element of the information.

24. (Previously Presented) The translation method of claim 1, further comprising providing an audit trail of the user input relating to a translation of an element of the information.

25. (Original) The translation method of claim 1, further comprising providing an audit trail of the user input.

26. (Original) The translation method of claim 1, further comprising repeating said applying activity.

27. (Original) The translation method of claim 1, further comprising repeating said transforming activity.

28. (Previously Presented) The translation method of claim 1, further comprising providing a view of the destination system, the destination system a PCS7 control system.

29. (Original) The translation method of claim 1, further comprising providing a plurality of differing views of the destination system, each of the plurality of differing views corresponding to a different use for the destination system.

30. (Original) The translation method of claim 1, further comprising presenting in the graphical user interface the information and the second transformed version.

31. (Original) The translation method of claim 1, further comprising presenting in the graphical user interface the information and the second transformed version, a change in the user input reflected in the second transformed version.

32. (Original) The computer-based translation method of claim 1, wherein the second transformed version is based on the first transformed version.

33. (Original) The computer-based translation method of claim 1, wherein the second transformed version is not based on the first transformed version.

34. (Original) The computer-based translation method of claim 1, wherein a pattern matching rule from the first plurality of pattern matching rules is based on a plurality of knowledge elements and at least one known relationship between the plurality of knowledge elements, each of the plurality of knowledge elements identifiable as an entity in the information.

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35. (Original) The translation method of claim 1, wherein XSLT is employed to translate the information.

36. (Original) The translation method of claim 1, wherein at least one of the first plurality of patterns is a set.

37. (Original) The translation method of claim 1, wherein at least one of the first plurality of patterns is a hierarchy.

38. (Original) The translation method of claim 1, wherein at least one of the first plurality of patterns is a naming convention.

39. (Original) The translation method of claim 1, wherein the user input is derived from input from a first user and input from a second user.

40. (Original) The translation method of claim 1, wherein the user input is derived from input from a first user and input from a second user, the first user occupying a different position in a value chain than the second user.

41. (Original) The translation method of claim 1, wherein the user input is derived from input from a first user and input from a second user, the first user occupying a different position in a business process than the second user.

42. (Original) The translation method of claim 1, wherein the user input is derived from input from a first user and input from a second user, at least a portion of the input from the second user altering at least a portion of the input from the first user.

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43. (Currently Amended) A machine-readable medium comprising instructions for a computer-based translation method that translates source information into target information using knowledge that arises from relationships between elements of the source information, the method comprising a plurality of activities comprising:

obtaining configuration information from one or more sources a computer-based control system, the configuration information from a validated biopharmaceutical batch process control system;

applying a first plurality of pattern matching rules to the information to obtain a first transformed version of the information, the first plurality of pattern matching rules based on expert knowledge about a first plurality of patterns in the information;

transforming the information using user input to obtain a second transformed version of the information, the user input obtained via a graphical user interface generated based on a second plurality of pattern matching rules, the second plurality of pattern matching rules based on expert knowledge about a second plurality of patterns in the information; and

expressing the first transformed version and the second transformed version in a destination biopharmaceutical process control system, the biopharmaceutical process control system configured by the second transformed version to control a biopharmaceutical process.

44. (Currently Amended) A computer-based system adapted to translate source information into target information using knowledge that arises from relationships between elements of the source information, the system comprising:

means for obtaining configuration information from one or more sources a computer-based control system, the configuration information from a validated biopharmaceutical batch process control system;

means for applying a first plurality of pattern matching rules to the information to obtain a first transformed version of the information, the first plurality of pattern

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matching rules based on expert knowledge about a first plurality of patterns in the
information;

means for transforming the information using user input to obtain a second
transformed version of the information, the user input obtained via a graphical user
interface generated based on a second plurality of pattern matching rules, the second
plurality of pattern matching rules based on expert knowledge about a second plurality of
patterns in the information; and

means for expressing the first transformed version and the second transformed
version in a process control destination system, the process control system configured by
the second transformed version to control a process.

45. (Currently Amended) A computer-based translation method comprising a plurality of
activities comprising:

obtaining information from one or more sources an actual working fast food
restaurant computer system, the information comprising a translation of at least one term
of a custom order of a customer, the translation assisted via a customer selection of an
option of a predetermined plurality of options regarding translation of the at least one
term;

applying a first plurality of pattern matching rules to at least a first portion of the
information to obtain a first transformed version of the information, the first plurality of
pattern matching rules based on expert knowledge about a first plurality of patterns in the
information;

transforming at least a second portion of the information using user input to
obtain a second transformed version of the information, the user input obtained via a
graphical user interface generated based on a second plurality of pattern matching rules,
the second plurality of pattern matching rules based on expert knowledge about a second
plurality of patterns in the information; and

expressing the first transformed version and the second transformed version in a

fast food restaurant information management destination system, the fast food restaurant information management system configured by the second transformed version to control information transfers in the fast food restaurant.